

Vertical Antenna 5/8 Lambda for 70- cm Band

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At first the antenna was modeled by copper wire. Then the antenna was made on the base of bicycle wheel spokes. **Figure 1** shows design of the antenna. Inductor of the antenna is wound on a form in 8- mm diameter. After that we have got inductor with 9- mm ID. Central wire of the RF connector is glued by termo- glue for water protection.

Figure 2 shows ready antenna. **Figure 3** shows tap from inductor of the antenna. **Figure 4** shows vertical at inductor of the antenna. **Figure 5** shows SWR Vertical Antenna 5/8 Lambda for 70- cm Band. **Figure 6** shows Z Vertical Antenna 5/8 Lambda for 70- cm Band

Antenna is tuned to the resonance by shortening length of the vertical part of the antenna. Precise tuning may be done by chosen the tap from the inductor.

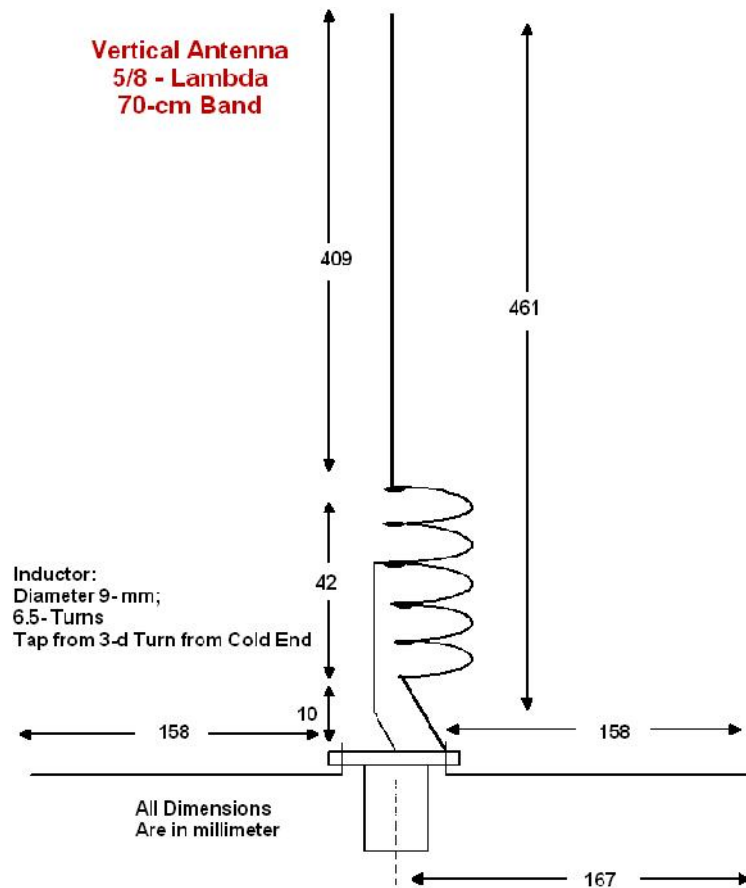


Figure 1 Design of the Antenna Made on the Base of Bicycle Wheel Spokes

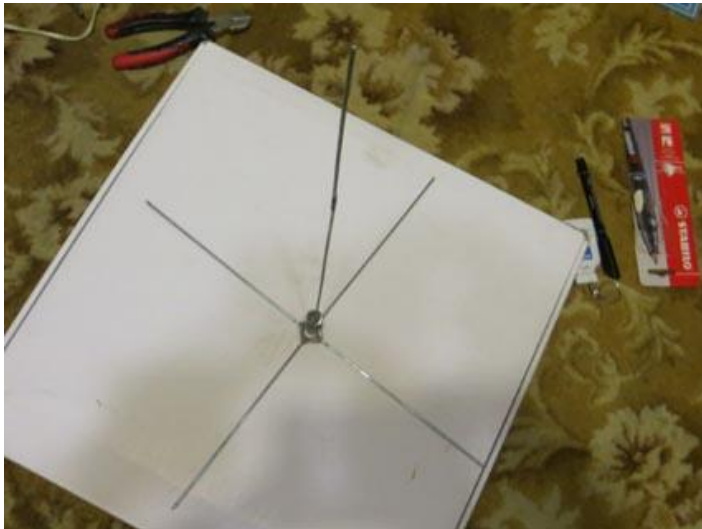


Figure 2 Ready Antenna

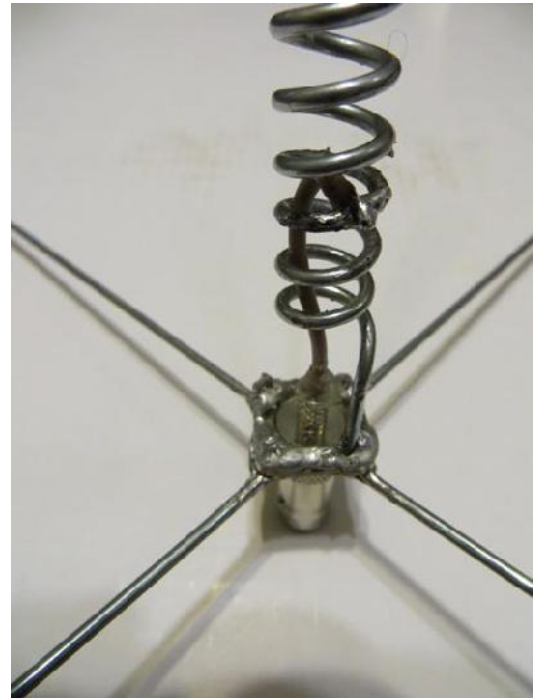


Figure 3 Tap from Inductor of the Antenna

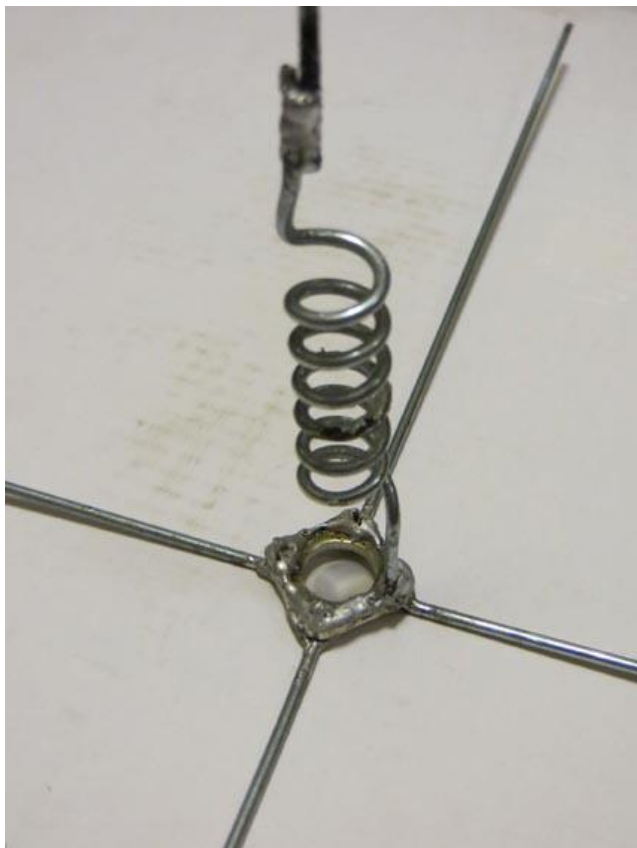


Figure 4 Vertical at Inductor of the Antenna

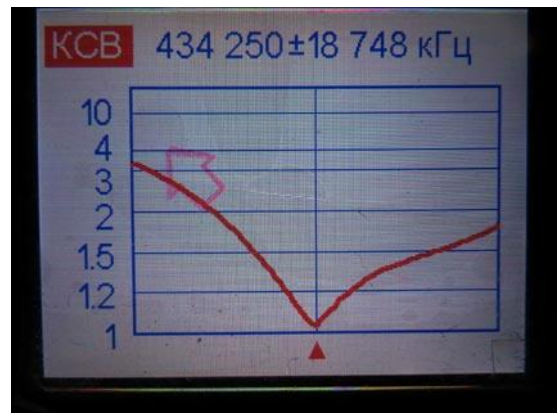


Figure 5 SWR Vertical Antenna 5/8 Lambda for 70- cm Band



Figure 6 Z Vertical Antenna 5/8 Lambda for 70- cm Band